

January 7, 2014

Dr. Radek Skoda, Director  
Nuclear Science Center  
Texas Engineering Experiment Station  
1095 Nuclear Science Road  
MS 3575  
College Station, TX 77843

SUBJECT: TEXAS ENGINEERING EXPERIMENT STATION/TEXAS A&M UNIVERSITY  
SYSTEM - REQUEST FOR ADDITIONAL INFORMATION RE: EMERGENCY  
PREPAREDNESS PLAN REVIEW FOR LICENSE RENEWAL  
(TAC NO. ME1584)

Dear Dr. Skoda:

The U.S. Nuclear Regulatory Commission (NRC) is continuing its review of your application for the renewal of Facility Operating License No. R-83, dated February 27, 2003 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML102920025), as supplemented, for the Texas Engineering Experiment Station/Texas A&M University System, Nuclear Science Center, TRIGA-type research reactor. The license renewal review includes an NRC staff review of your current Emergency Preparedness Plan, Revision No. 2, submitted to the NRC in accordance with the provisions of Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.54(q), by letter dated December 14, 1999. We require additional information and clarification on questions that have arisen during our review. Please provide responses to the enclosed request for additional information (RAI) within 30 days from the date of this letter.

In accordance with 10 CFR 50.30(b), you must execute your response in a signed original document under oath or affirmation. Your response must be submitted in accordance with 10 CFR 50.4, "Written communications." Information included in your response that is considered sensitive, or proprietary, that you seek to have withheld from the public, must be marked in accordance with 10 CFR 2.390, "Public inspections, exemptions, requests for withholding." Any information related to security should be submitted in accordance with 10 CFR 73.21, "Protection of Safeguards Information: Performance requirements." Following receipt of the additional information, we will continue our evaluation of your renewal request.

R. Skoda

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If you have any questions, or need additional time to respond to this request, contact me at (301) 415-0893 or by electronic mail at: [Geoffrey.Wertz@nrc.gov](mailto:Geoffrey.Wertz@nrc.gov).

Sincerely,

***/RA Alexander Adams for/***

Geoffrey A. Wertz, Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-128

Enclosure:  
RAI

cc: See next page

R. Skoda

- 2 -

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Sincerely,

***/RA Alexander Adams for/***

Geoffrey A. Wertz, Project Manager  
Research and Test Reactors Licensing Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

Docket No. 50-128

Enclosure:  
RAI

cc: See next page

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MNorris, NSIR  
RidsNrrDpr Resource

PBlechman, NRR  
JAnderson, NSIR

**ADAMS Accession No: ML13340A738**

**\*concurrence via email**

**NRR-106**

OFFICE	DPR/PRLB/PM*	DPR/PRLB/LA	NSIR/DPR/DDEP/ORLOB	DPR/PRLB/BC	DPR/PRLB/PM
NAME	GWertz	PBlechman	JAnderson	AAdams	(AAdams for) GWertz
DATE	12/06/2013	12/11/2013	12/13/2013	01/07/2014	01/07/2014

**OFFICIAL RECORD COPY**

Texas A&M University  
cc:

Docket No. 50-128

Mayor, City of College Station  
P.O. Box Drawer 9960  
College Station, TX 77840-3575

Governor's Budget and  
Planning Office  
P.O. Box 13561  
Austin, TX 78711

Texas A&M University System  
ATTN: Dr. Dimitris C. Lagoudas, Interim Facility Director  
Nuclear Science Center  
Texas Engineering Experiment Station  
1095 Nuclear Science Road  
MS 3575  
College Station, Texas 77843

Radiation Program Officer  
Bureau of Radiation Control  
Dept. Of State Health Services  
Division for Regulatory Services  
1100 West 49<sup>th</sup> Street, MC 2828  
Austin, TX 78756-3189

Technical Advisor  
Office of Permitting, Remediation & Registration  
Texas Commission on Environmental Quality  
P.O. Box 13087, MS 122  
Austin, TX 78711-3087

Test, Research and Training  
Reactor Newsletter  
202 Nuclear Sciences Center  
University of Florida  
Gainesville, FL 32611

**REQUEST FOR ADDITIONAL INFORMATION**  
**REGARDING THE EMERGENCY PREPAREDNESS PLAN FOR**  
**THE LICENSE RENEWAL FOR**  
**THE TEXAS ENGINEERING EXPERIMENT STATION/TEXAS A&M UNIVERSITY SYSTEM**  
**NUCLEAR SCIENCE CENTER RESEARCH REACTOR**  
**LICENSE NO. R-83; DOCKET NO. 50-128**

The U.S. Nuclear Regulatory Commission (NRC) is continuing its review of your application for the renewal of Facility Operating License No. R-83, dated February 27, 2003 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML102920025), as supplemented, for the Texas Engineering Experiment Station/Texas A&M University System, Nuclear Science Center, TRIGA-type research reactor. The license renewal review includes an NRC staff review of your Emergency Preparedness Plan, Revision No. 2. We have identified the following questions and request your responses within 30 days from the date of this letter. If your review results in a revision to the Emergency Preparedness Plan, provide a complete copy of the revised plan with your response.

1. Sections 7.6.3 and 7.7.3, state, in part, that response teams will be sent to search for injured personnel in the event of a fire.
  - a. What organizations comprise the team members for the response teams?
  - b. How are the team positions typically staffed?
  - c. Is there specific training provided to the team members? If so, identify the training.
2. Table 1, "Emergency Classification Guide," provides emergency classification criteria based on the release of Xenon isotope 125 (Xe-125):

Xe-125 Release	Release of Xe-125 more than 140 Ci [Curies], but less than 700 Ci from the reactor building	Notification of Unusual Event*
	Release of Xe-125 equal to, or more than, 700 Ci from the reactor building	Alert*

- a. How are the indications of the release levels of 140 Ci and 700 Ci of Xe-125 made available to the operating staff responsible for timely event classification?
- b. Are there any alarms associated with the above release levels of Xe-125?

Enclosure

3. Sections 10.4 and 11.0, state that, in part, that the RSB reviews the emergency plan and approves emergency procedures and standing operating procedures. The acronym "RSB" is not identified in the plan. Identify the acronym "RSB," or justify why the acronym is not identified.